

1-26 (Cancelled).

27. (Previously Presented). A suture material for surgery comprising one or more filaments having a coating thereon, wherein the coating comprises a bioresorbable polymer, which is formed from a random terpolymer with a completely amorphous structure consisting essentially of glycolide, ϵ -caprolactone and trimethylene carbonate, and wherein the terpolymer contains glycolide in a proportion of 10 to 20 wt. %, with the remainder being ϵ -caprolactone and trimethylene carbonate in a weight ratio between 30:70 and 70:30, and wherein the terpolymer has a glass transition temperature in the range of -40 to 0°C.

28 (Cancelled).

29 (Previously presented). Suture material according to claim 27, wherein the terpolymer is produced by random copolymerization of glycolide, ϵ -caprolactone and trimethylene carbonate.

30 (Previously presented). Suture material according to claim 27, wherein the terpolymer has an average molecular weight of more than 30,000 Daltons.

31-33 (Cancelled).

34 (Previously presented). Suture material according to claim 27, wherein the coating material further comprises at least one plasticizer in a proportion of 1 to 30 wt. %.

35 (Previously presented). Suture material according to claim 27, wherein the coating is formed from a mixture of the bioresorbable polymer with fatty acid salts.

36 (Previously presented). Suture material according to claim 27, wherein the coating represents 0.2 to 50 wt. % of the total weight of the suture material.

37-55 (Cancelled).

56 (New). A suture material for surgery comprising one or more filaments having a coating thereon, the coating comprising 0.2 to 50 wt.% of the total weight of the suture material,

wherein the coating comprises a bioresorbable polymer which is formed from a random terpolymer with a completely amorphous structure consisting essentially of:

glycolide, ϵ -caprolactone and trimethylene carbonate;

wherein the terpolymer contains glycolide in a portion of 10 to 20 w.%, with the remainder being ϵ -caprolactone and trimethylene carbonate in a weight ratio between 30:70 and 70:30; and

wherein the terpolymer has a glass transition temperature in the range of -40 to 0°C;

wherein the coating composition is plastic at room temperature; and

wherein the suture material has improved knotting characteristics.

Claim 57 (New). A suture material for surgery comprising one or more filaments and wherein the suture material is formed with a coating;

wherein the coating as least partially comprises a waxy bioresorbable polymer, which is essentially formed from a random terpolymer with a completely amorphous structure;

wherein the terpolymer is formed using a glycolide, ϵ -caprolactone, and trimethylene carbonate, and the terpolymer contains glycolide in a portion of 10 to 20 wt.%, with the remainder being ϵ -caprolactone, and trimethylene carbonate in a weight ratio between 30:70 and 70:30, to yield a low glass transition temperature in the range of -40 to 0°C, and completely amorphous structure, wherein the coating material has an inherent viscosity of 0.7 to 1.3 dL/g, as measured in HFIP at 25°C and a concentration of 0.5 wt.%; and

wherein the terpolymer is soluble inorganic solvents based on esters and ketones or mixtures thereof, the coating composition is plastic at room temperature, the coating represents 0.2 to 50 wt.% of the total weight of the suture material, and the suture material has improved knotting characteristics.